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**FAX TRANSMISSION****DATE:** 01/29/04**TO:** Examiner L.Garbowski**COMPANY:** US PTO**FROM:** Mani Adeli**S/N:** 09/732,181**PAGES:** 27 (including this page)

Examiner L.Garbowski:

For the application 09/732,181, we received a Notice of Allowance mailed on 11/19/03. Thank you for this Notice of Allowance. However, please note that we submitted several IDS's prior to the Notice of Allowance on 11/09/03, 10/06/03, and 03/13/03. These IDS's were not made of record. Hopefully, by now, these IDS's have worked their way from the mail room to you. To be sure that you have received them, we are faxing you these IDS's along with their postcards that the PTO returned to us.

Please review these IDS's and make them of record by initialing and signing their 1449 forms. If you have any question, please call me at the number below.

Regards,

Mani Adeli

Stattler, Johansen & Adeli LLP  
P.O. Box 51860  
Palo Alto, CA 94303-0728

Phone No. (650) 752-0990 x102  
Fax No. (650) 752-0995

11/9/03

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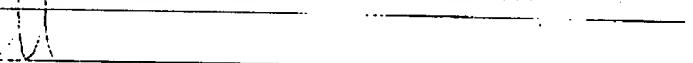
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<b>TRANSMITTAL FORM</b>		Application Number	09/732,181
		Filing Date	12/6/00
		First Named Inventor	Steven Teig
		Group Art Unit	2825
		Examiner Name	Leigh M. Garbowski
Total Number of Pages in This Submission		Attorney Docket Number	SPLX.P0003

**Enclosures (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
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**Remarks:****SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Or Individual name	Manji Adeli, Reg. No. 39,585 of Stattler Johansen & Adeli LLP
Signature	
Date	November 9, 2003

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PATENT  
Docket No. SPLX.P0063

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John Teig

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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JAN 29 2004

In the application of:

Steven Teig

Serial No.: 09/732,181

Filing Date: 12/6/00

For: RECURSIVE PARTITIONING  
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INFORMATION DISCLOSURE  
STATEMENT UNDER 37 C.F.R. § 1.97

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Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, applicants submit with this Information Disclosure Statement the attached Form PTO-1449, and copies of the documents listed in the 1449 form for consideration by the Examiner. The Examiner is requested to make these documents of record. Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

This Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

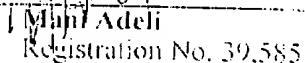
This Information Disclosure Statement is submitted: After receipt of a first Office Action on the merits but before a final Office Action or Notice of Allowance. A fee is required. A fee in the amount of \$180 is enclosed.

If this fee is separated from this IDS or if the Patent Office determines that an extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit Account No. 50-1128 referencing SPLX.P0003. However, the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: November 9, 2003

Respectfully submitted,

By:

  
Mark Adeli  
Registration No. 39,585

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Substitute for form 1449A/PTO				Application Number	09/732,151
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	12/6/00
(use as many sheets as necessary)				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	Leigh M. Garbowski
Sheet	1	of	7	Attorney Docket Number	SPLX.P0003

U.S. PATENT DOCUMENTS					
Examiner Initials	Case No.	U.S. Patent Document Number	Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
1.	2001/0009 031	A1	07-19-2001	Nitta et al.	
2.	2002/0182 844	A1	12-05-2002	Igarashi et al.	
3.	2003/0025 205	A1	02-06-2003	Shively	
4.	2003/0005 399	A1	01-02-2003	Igarashi et al.	
5.	4,593,363		06-03-1986	Burstein et al.	
6.	4,855,929		08-08-1989	Nakajima	
7.	5,375,069		12-20-1994	Satch et al.	
8.	5,587,023		12-24-1996	Wang	
9.	5,618,744		04-08-1997	Suzuki et al.	
10.	5,633,479		05-27-1997	Hirano	
11.	5,537,920		06-10-1997	Loo	
12.	5,640,327		06-17-1997	Ting	
13.	5,653,891		09-02-1997	Bamji et al.	
14.	5,757,089		05-26-1998	Ishizuka	
15.	5,784,289		07-28-1998	Wang	
16.	5,798,936		08-25-1998	Cheng	
17.	5,838,583		11-1998	Varadarajan et al.	
18.	5,889,677		03-30-1999	Yasuda et al.	
19.	5,980,093		11-09-1999	Jones et al.	
20.	6,070,108		05-30-2000	Andreev et al.	

Examiner Signature	Date Considered
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Substitute for form 1449A/PTO			Application Number	09/732,181	
			Filing Date	12/6/00	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			First Named Inventor	Steven Teig	
			Group Art Unit	2825	
			Examiner Name	Leigh M. Garbowksi	
Sheet	2	of	7	Attorney Docket Number	SPLX.P0003

## U.S. PATENT DOCUMENTS

21.	6,128,767		10-03-2001	Chapman	
22.	6,209,123	B1	03-27-2001	Maziasz et al.	
23.	6,253,363	B1	06-26-2001	Casanov et al.	
24.	6,295,634	B1	09-25-2001	Matsumoto	
25.	6,324,674	R2	11-27-2001	Andreev et al.	
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27.	6,327,693	B1	12-04-2001	Cheng et al.	
28.	6,330,707		12-11-2001	Shinomiya et al.	
29.	6,378,121	B1	04-23-2002	Hiraga	
30.	6,407,434	B1	06-18-2002	Rostoker et al.	
31.	6,412,162	B1	06-25-2002	Andreev et al.	
32.	6,415,422	B1	07-02-2002	Mehrotra et al.	
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34.	6,448,591	B1	09-10-2002	Juengling	
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36.	6,480,991	B1	11-12-2002	Cho et al.	
37.	6,490,713	B2	12-03-2002	Matsumoto	
38.	6,519,751	B2	02-11-2003	Sriram et al.	
39.	6,543,043	B1	04-01-2003	Wang et al.	
40.	6,546,540	B1	04-08-2003	Igarashi et al.	
41.	6,557,145	B2	04-29-2003	Boyle et al.	
42.	6,567,967	B2	05-20-2003	Gredinger et al.	

Examiner Signature	Date Considered
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<sup>1</sup> If a claim is initially filed, once considered, whether or not a claim is in conformance with MPEP 600. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>2</sup> Applicant's unique relation designation number (optional). <sup>3</sup> See, *Rules of Practice for Patent Document Examination*, 37 CFR 1.41 or MPEP 901.04. <sup>4</sup> Enter Office that issued the document, by the two-letter code (WPO Standard ST 3). <sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup> Kind of document by the appropriate standard as indicated on the document under WPO Standard ST 16 if possible. <sup>7</sup> Applicant is to place a checkmark here if English language translation is attached.

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Substitute for form 1449A/PTO				Application Number	09/732,181
				Filing Date	12/6/00
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	Leigh M. Garbowski
Sheet	3	of	7	Attorney Docket Number	SPLX.P0003

## FOREIGN PATENT DOCUMENTS

Examiner's Ref. No.	Category No.	Foreign Patent Document	Kind Code (if known)	Name of Patentee or Applicant or Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear with English translation of Abstract:
43.	JP	411296560	A	Matsumoto et al.	10-29-1999	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.
44.	JP	2000-82743	A	Igarashi et al.	03-21-2000	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.
45.	JP	1103-173471	A	Tawada et al.	07-26-1991	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.
46.	JP	1105-243379	A	Masako Kubota	09-21-1993	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.
47.	JP	H05-102305	A	Akihiro Sato	04-23-1993	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.
48.	JP	H07-86407	A	Shinpei Miura	03-31-1995	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.

Examiner's Signature	Date Considered
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1.74(a)(1)(F). Index: Reference considered, whether or not citation is in conformance with 37 CFR 1.69. Draw line through citation if not in conformance and not considered. 2. Indicate by checkmark if this form with next communication to applicant. \*Applicant's unique citation designation number (optional). \*See Kinds Codes of USPTO's Patent Documents at 37 CFR 1.14 or MPEP 601-64. \*Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 3. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. \*Applicant is to place a check mark here if English language translation is attached.

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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)					Application Number	09/732,181
					Filing Date	12/6/00
					First Named Inventor	Steven Teig
					Group Art Unit	2825
					Examiner Name	Leigh M. Garbowski
Sheet	4	of	7		Attorney Docket Number	SPLX.P0003

FOREIGN PATENT DOCUMENTS						
49.	JP	H09-162279	A	Masaaki Yoshida	06-20-1997	with Japanese Patent Office's English translation of Abstract and with English translation of the application.

Examiner Signature	Date Considered
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**EXAMINER'S** (Type if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Indicate copy of this form with next communication to applicant. \* Applicant's unique citation designation number (optional).) See End of Corps of USPTO Patent Document at 11, 12, 13, 14, 15, or MPEP 501.64. \* Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). \* For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \* Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. \* If possible, \* Applicant is to place a check mark here if English language translation is attached.

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Substitute for form 1449A/PTO		Application Number	09/732,181
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date	12/6/00
use as many sheets as necessary;		First Named Inventor	Steven Teig
		Group Art Unit	2825
		Examiner Name	Leigh M. Carbowski
Sheet	5	of	7
		Attorney Docket Number	SPLX.P0003

## FOREIGN PATENT DOCUMENTS

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Date Rec'd No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.
	50.	Ahuja, R. et al., Faster Algorithms for the Shortest Path Problem, Journal of the Association for Computing Machinery, vol. 37, No. 2, April 1990, pp. 213-223.
	51.	Brady, L. et al., Channel Routing on a 60° Grid, extended abstract, pp. 956-931.
	52.	Brambilla, A. et al., Statistical Method for the Analysis of Interconnects Delay in Submicrometer Layouts, IEEE, 8/2001, pp. 957-966.
	53.	Carothers, K., A Method of Measuring Nets Routability for MCM's General Area Routing Problems, 1999, pp. 186-192.
	54.	Chen, H. et al., Physical Planning of On-Chip Interconnect Architectures, 2002, IEEE, International Conference, pp. 30-35.
	55.	Cheng, K. et al., Manhattan or Non Manhattan? A Study of Alternative VLSI Routing Architectures, pp. 47-52, 2000.
	56.	Cheng, K., Steiner Problem in Octilinear Routing Model, a Thesis Submitted for the Degree of Master of Science, National University Singapore, 1995, pp. 1-122.
	57.	Chip Model with Wiring Cost Map, August 1983, IBM Technical Disclosure Bulletin, vol. 26, iss. 3A, pp. 929-933.
	58.	Cong, J. et al., Efficient Heuristics for the Minimum Shortest Path Steiner Arborescence Problem with Applications to VLSI Physical Design, Cadence Design Systems and UCLA Computer Science Department, pp. 88-95.
	59.	Cong, J. et al., Performance-Driven Multi-Layer General Routing for PCB/MCM Designs, UCLA Computer Science Department, 1998, pp. 355-361.
	60.	Embody, R. et al., Near-Optimal $n$ -Layer Channel Routing, 23 <sup>rd</sup> Design Automation Conference, 1986, pp. 708-714.
	61.	Fang, S. et al., Constrained Via Minimization with Practical Considerations for Multi-Layer VLSI/PCB Routing Problems, 28 <sup>th</sup> ACM/IEEE Design Automation Conference, 1991, pp. 60-65.
	62.	Horn, I. et al., Estimation of the Number of Routing Layers and Total Wirelength in a PCB Through Wiring Distribution Analysis, 1996, pp. 1-6.

Examiner Signature	Date Considered

\*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Induce copy of this form with next communication to applicant. \*Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at 37 CFR 1.64, or MPI P 061.04. \*Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). For Japanese patent documents, the indication of the year of the right of the Examiner must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. \*Applicant is to place a check mark here if English language translation is attached.

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(use as many sheets as necessary)			First Named Inventor	Steven Teig
			Group Art Unit	2825
			Examiner Name	Leigh M. Garbowski
Sheet 6 of 7			Attorney Docket Number	SPLX.P0003

## FOREIGN PATENT DOCUMENTS

63.	Hong, X. et al., Performance-Driven Steiner Tree Algorithms for Global Routing, 30 <sup>th</sup> ACM/IEEE Design Automation Conference, 1993, pp. 177-181.
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Examiner Signature	Date Considered
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<sup>1</sup> EXAMINER: Indicate if reference considered, whether or not citation is in conformance with 37CFR 1.97. Draw line through citation if not in conformance and not considered. Indicate copy of this form with next communication to applicant. <sup>2</sup> Applicant's unique citation designation number (optional). <sup>3</sup> See Kinds Codes of USPTO Patent Documents at 37 CFR 1.4(a) or MPEP 901.04. <sup>4</sup> Enter Office that issued the document, by the two letter code (WIPO Standard ST.3). <sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the genre number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.15 if possible. <sup>7</sup> Applicant is to place a check mark here if English language translation is attached.

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Information Disclosure Statement (use inside this page)

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Substitute for form 1449A/PTO			Application Number	09/732,181
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Filing Date	12/6/00
(use as many sheets as necessary)			First Named Inventor	Steven Feig
Sheet	7	of	Group Art Unit	2825
			Examiner Name	Leigh M. Garbowski
			Attorney Docket Number	SPLX.P0003

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Serial/Patent No.: 09/732,181  
Filing Date: 12/6/00  
Atty Docket: SPLX.P0003  
Applicant(s): Steven Teig

Atty/Secty: Maka  
Date Mailed: 1/29/2003

**TITLE: Recursive Partitioning Placement Method and Apparatus**

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2. Information Disclosure Statement (2 pages)
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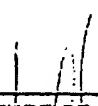
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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>		Application Number	09/732,181
		Filing Date	12/6/00
		First Named Inventor	Steven Teig
		Group Art Unit	Leigh M. Garbowski
		Examiner Name	2825
Total Number of Pages in This Submission	*	Attorney Docket Number	SPLX.P0003

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Date	October 6, 2003	

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PATENT  
Docket No. SPLX.P0003

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In the application of:

**JAN 29 2004**

Steven Teig

Serial No.: 09/732,181

Filing Date: 12/6/00

For: RECURSIVE PARTITIONING  
PLACEMENT METHOD AND  
APPARATUS

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Pursuant to 37 C.F.R. § 1.97 and § 1.98, applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of the documents are also submitted herewith. The Examiner is requested to make these documents of record.

This Information Disclosure Statement is submitted: After receipt of a first Office Action on the merits but before a final Office Action or Notice of Allowance. Applicants would

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Dated: October 6, 2003

Respectfully submitted,

By:

Mani Adeli

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Sheet	1	of	4	Filing Date	12/0/00
				First Named Inventor	Steven Teig
				Group Art Unit	Leigh M. Garbowski
				Examiner Name	2825
				Attorney Docket Number	SPLX.P0003

**RELATED U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No	U.S. Patent Document Number	Date of filing MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Related Application Data
1.		2002/0133798	12-06-2000	Steven Teig et al.	Application regarding related placement technology.
2.		2002/0073390 S/N 09/737,210	12-13-2000	Steven Teig et al.	Continuation of 2002/0133798
3.		Preliminary Amendment S/N 09/737,210	12-13-2000	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0073390 does not accurately reflect the claims of S/N 09/737,210.
4.		S/N 09/737,220	12-13-2000	Steven Teig et al.	Continuation of 2002/0133798
5.		S/N 09/737,245	12-13-2000	Steven Teig et al.	Continuation of 2002/0133798
6.		S/N 09/739,460	12-15-2000	Steven Teig et al.	Continuation of present application
7.		2002/0124231 S/N 09/739,580	12-15-2000	Steven Teig et al.	Continuation of present application
8.		Preliminary Amendment S/N 09/739,580	12-15-2000	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0124231 does not accurately reflect the claims of S/N 09/739,580.
9.		S/N 09/739,589	12-15-2000	Steven Teig et al.	Continuation of present application
10.		S/N 09/742,171	12-19-2000	Steven Teig et al.	Continuation of present application
11.		2003/0121015 S/N 09/745,067	12-19-2000	Steven Teig et al.	Continuation of present application
12.		Preliminary Amendment S/N 09/745,067	12-19-2000	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0121015 does not accurately reflect the claims of S/N 09/745,067.
13.		2002/0069397	01-13-2002	Steven Teig et al.	CIP of the present application.
14.		2002/0170027	02-20-2002	Steven Teig et al.	CIP of present application
15.		2002/0157075	02-20-2002	Steven Teig et al.	CIP of present application

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	12/6/00
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Sheet	2	of	4	Group Art Unit	Leigh M. Garbowski
				Examiner Name	2825
				Attorney Docket Number	SPLX.P0003

## RELATED U.S. PATENT DOCUMENTS

16.	2003/0088841 S/N 10/329,241	12-23-2002	Steven Teig et al.	CIP of 2002/0133798
17.	Preliminary Amendment S/N 10/329,241	12-23-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0088841 does not accurately reflect the claims of S/N 10/329,241.
18.	2003/0018947	12-07-2001	Steven Teig et al.	Application regarding related routing technology
19.	2002/0147958	10-19-2001	Steven Teig et al.	Application regarding related routing technology
20.	2003/0079193	12-07-2001	Steven Teig et al.	Application regarding related routing technology
21.	2003/0063614	01-04-2002	Steven Teig et al.	Application regarding related routing technology
22.	2003/0064559	01-04-2002	Steven Teig et al.	Application regarding related routing technology
23.	2003/0063568	01-04-2002	Steven Teig et al.	Application regarding related routing technology
24.	2003/0101428 S/N 10/040,915	01-05-2002	Steven Teig et al.	Application regarding related routing technology
25.	Preliminary Amendment S/N 10/040,915	01-05-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0101428 does not accurately reflect the claims of S/N 10/040,915.
26.	2002/0166105 S/N 10/040,948	01-05-2002	Steven Teig et al.	Application regarding related routing technology
27.	Preliminary Amendment S/N 10/040,948	01-05-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0166105 does not accurately reflect the claims of S/N 10/040,948.
28.	2003/0043827 S/N 10/040,953	01-05-2002	Steven Teig et al.	Application regarding related routing technology
29.	Preliminary Amendment	01-05-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0043827 does not

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Sheet	3	of	4
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## RELATED U.S. PATENT DOCUMENTS

	S/N 10/040,953			accurately reflect the claims of S/N 10/040,953.
30.	2003/0023943 S/N 10/040,954	01-05-2002	Steven Teig et al.	Application regarding related routing technology
31.	Preliminary Amendment S/N 10/040,954	01-05-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0023943 does not accurately reflect the claims of S/N 10/040,954.
32.	2003/0066042 S/N 10/040,963	01-05-2002	Steven Teig et al.	Application regarding related routing technology
33.	Preliminary Amendment S/N 10/040,963	01-05-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0066042 does not accurately reflect the claims of S/N 10/040,963.
34.	2002/0174412 S/N 10/041,942	01-07-2002	Steven Teig et al.	Application regarding related routing technology
35.	Preliminary Amendment S/N 10/041,942	01-07-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0174412 does not accurately reflect the claims of S/N 10/040,942.
36.	2003/0088844 S/N 10/041,957	01-07-2002	Steven Teig et al.	Application regarding related routing technology
37.	Preliminary Amendment S/N 10/041,957	01-07-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0088844 does not accurately reflect the claims of S/N 10/041,957.
38.	2002/0199165 S/N 10/046,864	01-13-2002	Steven Teig et al.	Application regarding related routing technology
39.	Preliminary Amendment S/N 10/046,064	01-13-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0199165 does not accurately reflect the claims of S/N 10/046,864.
40.	2003/0066043	01-13-2002	Steven Teig et al.	Application regarding related routing technology

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Substitute for form 1449A/PTO			Application Number	09/732,181	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Filing Date	12/6/00	
(use as many sheets as necessary)			First Named Inventor	Steven Teig	
			Group Art Unit	Leigh M. Garbowski	
			Examiner Name	2825	
Sheet	4	of	4	Attorney Docket Number	SPLX.P0003

## RELATED U.S. PATENT DOCUMENTS

41.	2003/0115566		01-13-2002	Steven Teig	Application regarding related routing technology
42.	2003/0056187 S/N 10/047,982		01-14-2002	Steven Teig et al.	Application regarding related routing technology
43.	Preliminary Amendment S/N 10/047,982		01-14-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0056187 does not accurately reflect the claims of S/N 10/047,982.
44.	2003/0066044		01-13-2002	Steven Teig et al.	Application regarding related routing technology
45.	2003/0066045		01-13-2002	Steven Teig et al.	Application regarding related routing technology
46.	2003/0088845 S/N 10/047,978		01-13-2002	Steven Teig et al.	Application regarding related routing technology
47.	Preliminary Amendment S/N 10/047,978		01-13-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0088845 does not accurately reflect the claims of S/N 10/047,978.

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Serial Patent No.: 09/732,181  
Filing Date: 12/6/00  
Atty Docket: SPLX\_P0003  
Applicant(s): Steven Teig

Atty Secy: MA/kg  
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**TITLE: Recursive Partitioning Placement Method and Apparatus**

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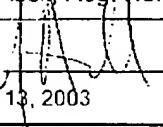


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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>		Application Number	09/732,181
		Filing Date	12/6/00
		First Named Inventor	Steven Teig
		Group Art Unit	2161
		Examiner Name	<none yet>
Total Number of Pages in This Submission	*	Attorney Docket Number	SPLX.P0003

Enclosures (Check all that apply)					
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In the application of:

JAN 29 2004

Steven Teig

Serial No.: 09/732,181

Filing Date: 12/6/00

For: RECURSIVE PARTITIONING  
PLACEMENT METHOD AND  
APPARATUS

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INFORMATION DISCLOSURE  
STATEMENT UNDER 37 C.F.R. § 1.97

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Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of the documents are also submitted herewith. The Examiner is requested to make these documents of record. Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

This Information Disclosure Statement is submitted within three months of the application filing date or before the mailing date of a first Office Action on the merits; accordingly, no fee or separate requirements are required.

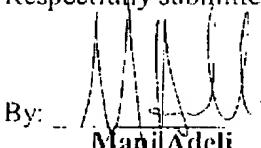
This Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

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Dated: March 12, 2003

Respectfully submitted,

By: \_\_\_\_\_

  
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Substitute for Form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	09/732,181
Sheet	1	of	3	Filing Date	12/6/00
				First Named Inventor	Steven Teig
				Group Art Unit	2161
				Examiner Name	
				Attorney Docket Number	SPLX.P0003

U.S. PATENTS RELATED TO THE PRESENT APPLICATIONS						
Examiner's Initials	Cite No.	U.S. Patent Document Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Relation to Present Application
	1.	6,516,455	B1	Teig, et al.	02-04-03	

U.S. PATENT DOCUMENTS						
Examiner's Initials	Cite No.	U.S. Patent Document Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	2.	2001/0003843	A1	Scepanovic et al.	06-14-01	
	3.	4,615,011		Linsker	09-30-86	
	4.	5,097,422		Corbin, II et al.	03-17-92	
	5.	5,532,934		Rostoker	07-12-96	
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	21.	6,058,254		Scepanovic et al.	05-02-00	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	12/6/00
(use as many sheets as necessary)				First Named Inventor	Steven Teig
Sheet	2	of	3	Group Art Unit	2161
				Examiner Name	
				Attorney Docket Number	SPLX.P0003

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40.	6,463,575	B1	Takahashi	10-08-02	

## FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>2</sup>	Number <sup>3</sup>	Kind Code (if known) <sup>4</sup>			
	41.	JP	64-15947		Ouchi	01-19-89	

## NON PATENT LITERATURE DOCUMENTS

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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WPO Standard ST 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbol as indicated on the document under WIPO Standard ST 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

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Substitute for form 1449A/PTC  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Application Number	09/732,181
Sheet	3	of	3	Filing Date	12/6/00
				First Named Inventor	Steven Teig
				Group Art Unit	2161
				Examiner Name	
				Attorney Docket Number	SPLX.P0003

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	42.	A.H. Farrahi et al., Quality of EDA CAD Tools: Definitions, Metrics and Directions, Quality Electronic Design, 2000, Proceedings of the first International Symposium on March 2000, pp 395-405.
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Serial/Patent No.: 09/732,181  
Filing Date: 12/6/00  
Atty Docket: SPLX.P0003  
Applicant(s): Steven Teig

Atty/Secty: MA/sl  
Date Mailed: 3/12/2003

**TITLE: Recursive Partitioning Placement Method and Apparatus**

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